

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Rio9dXP, Model: Longley-Rice
Start: 2018.05.24 15:05:11

Study created: 2018.05.24 15:05:10

Study build station data: LMS TV 2018-05-23

Proposal: K480L-D D9 LD APP RIO GRANDE CITY, TX
Facility ID: 130352
Station data: User record
Record ID: 795
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KIII	D8	DT	LIC	CORPUS CHRISTI, TX	BLC DT20060710ACO	181.4 km
No	KGNS-TV	D8	DT	LIC	LAREDO, TX	BLC DT20090617ADS	184.0
No	K09YZ-D	D9	DC	LIC	BEEVILLE-REFUGIO, TX	BLANK0000004495	258.1
No	KLRN	D9	DT	LIC	SAN ANTONIO, TX	BLE DT20120516AAX	337.2
No	KZTV	D10	DT	LIC	CORPUS CHRISTI, TX	BLC DT20100111ADU	184.3
No	K10QK-D	D10	LD	CP	LAREDO, TX	BMPDVL20110916ABO	162.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D9
Mask: Full Service

Latitude: 26 18 11.00 N (NAD83)
Longitude: 98 37 19.00 W
Height AMSL: 141.0 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	46.6 m	34.1 km
45.0	3.00	49.2	34.9
90.0	3.00	70.9	40.2
135.0	3.00	102.8	46.2
180.0	3.00	99.2	45.6
225.0	3.00	93.2	44.6
270.0	3.00	97.0	45.2
315.0	3.00	66.5	39.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 78 m

Distance to Canadian border: 2237.7 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 4.8 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 29.9 degrees Distance: 146.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 340.0 degrees Distance: 1652.5 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K480L-D	D9	LD	APP	RIO GRANDE CITY, TX		

	Service area		Terrain-limited		IX-free	Percent IX	
2604.2	378,318	2603.2	378,318	2603.2	378,318	0.00	0.00
2801.1	460,870	2791.3	456,054	2791.3	456,054	0.00	0.00 (in Mexico)